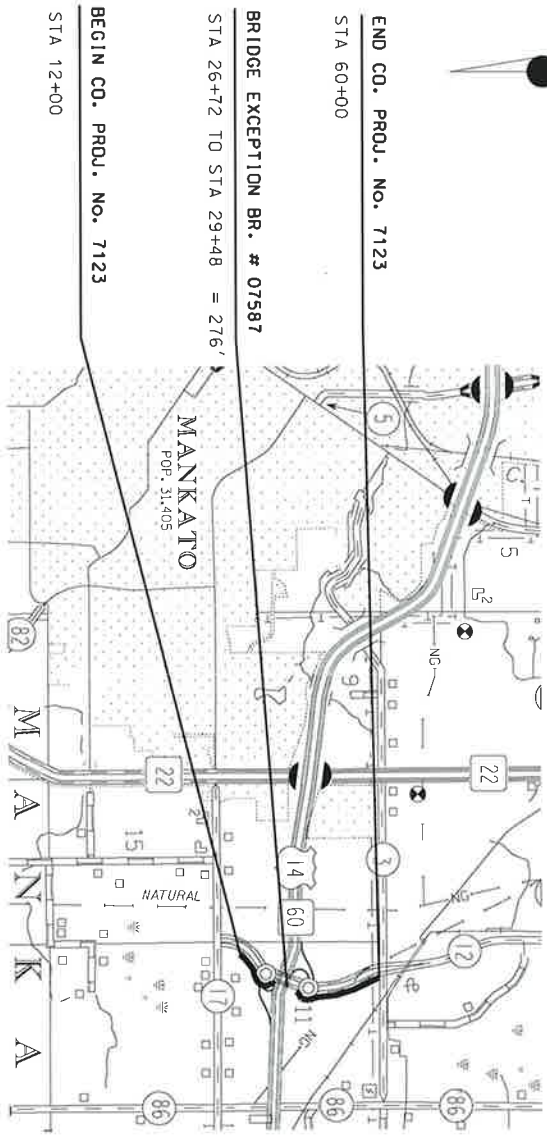


BLUE EARTH COUNTY HIGHWAY DEPARTMENT

CONSTRUCTION PLAN FOR BITUMINOUS  
ACGR. BASE AND BITUMINOUS SURFACE

BIKE TRAIL CSAH 12



END CO. PROJ. No. 7123  
STA 60+00  
BRIDGE EXCEPTION BR. # 07587  
STA 26+72 TO STA 29+48 = 276'  
BEGIN CO. PROJ. No. 7123  
STA 12+00

BETWEEN: CSAH 3 AND CSAH 17  
FROM: A PT. 564' E. & 940' N. OF THE SW COR.  
OF SEC. 11-108-26  
TO: A PT. 1100' E. OF THE NW COR. OF  
SEC. 11-108-26

GROSS LENGTH	4,800.00	FEET	0.909	MILES
BRIDGE LENGTH	276.00	FEET	0.052	MILES
NET LENGTH	4,572.00	FEET	0.857	MILES

R 26 W

GOVERNING SPECIFICATIONS

THE 2005 EDITION OF THE MINNESOTA DEPARTMENT  
OF TRANSPORTATION'S "STANDARD SPECIFICATIONS  
FOR CONSTRUCTION" SHALL GOVERN.

PLAN NOT TO SCALE

- INDEX OF SHEETS
- SHEET No. 1 TITLE
  - SHEET No. 2 ESTIMATED QUANTITIES
  - SHEET No. 3 STANDARD PLATES
  - SHEET No. 4 CHARTS
  - SHEET No. 5 TYPICAL SECTIONS

ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES WILL BE  
COMPLIED WITH, IN THE CONSTRUCTION OF THIS PROJECT.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED  
BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED  
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

*Alan Forsberg*  
COUNTY ENGINEER

DATE *11 May 14* L.I.C. No. 14720

# ESTIMATED QUANTITY

ITEM NO.	ITEM	UNIT	BIKE TRAIL	NON PART.	TOTAL
(1)	2112.501 SUBGRADE PREPARATION	RD STA	45	0	45
(1)	2211.501 AGGREGATE BASE CLASS 5	TON	1900	0	1900
(1)	2360.501 TYPE SP 19.0 WEARING COURSE MIX (2.B)	TON	691	0	691
	2573.540 FILTER LOG TYPE STRAW BIOROLL	LIN FT	150	0	150
	2575.555 TURF ESTABLISHMENT	LUMP SUM	1	0	1

(1) BASIS OF PAYMENT SPECIFIED IN SPEC. 1903 SHALL BE MODIFIED TO PRECLUDE ANY PRICE ADJUSTMENT FOR INCREASED OR DECREASED QUANTITIES.

CERT. BY Alan Forberg L.I.C. NO. 14720 MAR. 10, 2014 CO. PROJ. NO. 7123 SHEET NO. 2 OF 5 SHEETS

PROFESSIONAL ENGINEER

## BASIS FOR PLANNED QUANTITIES

AGGREGATE SHOULDERING, & SURFACING  
COMPACTED DRY DENSITY - 140 LBS. PER CU. FT.

### BITUMINOUS SURFACE

BITUM. MAT'L FOR TACK COAT WILL BE INCIDENTAL.

BITUM. MAT'L FOR WEAR COURSE AC (PG 58-28) 5.8% BY WEIGHT.

BITUM. COURSES, 110 LBS. PER 1" / SQ. YD.

THE FOLLOWING STANDARD PLATES AS APPROVED BY THE FHWA SHALL APPLY

STANDARD PLATES	
PLATE NO.	DESCRIPTION
80001	STANDARD BARRICADES

**AGGREGATE BASE  
ROAD # CSAH 12 BIKE TRAIL  
PROJECT # CO. PROJ. No. 7123**

LOCATION	LENGTH FEET	AVER WIDTH FEET	DEPTH INCHES	CL-5 BASE TON
<b>SHOULDER CL-1M</b>				
STA 12 + 0 TO STA 26 + 72	1472	12	6	620
STA 29 + 48 TO STA 60 + 0	3052	12	6	1280
<b>TOTAL</b>				<b>1900</b>

P:\BITUM\1401\12 TRAIL BITUM\12 TRAIL QUANTITIES.XSLA

**CSAH 12 TRAIL SUPERPAVE BITUM. CALCULATIONS**

LOCATION	LENGTH FEET	AVER WIDTH FEET	DEPTH INCHES	WEAR TON
<b>BITUM. WEAR</b>				
STA 12 + 0 TO STA 26 + 72	1472	10	2.5	225
STA 29 + 48 TO STA 60 + 0	3052	10	2.5	466
<b>TOTAL</b>				<b>691</b>

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**SUBGRADE PREPARATION**

STATION TO STATION	LOC.	LENGTH	WIDTH	RD STA
12 + 0 TO 26 + 72 CL		1,472	14	15
29 + 48 TO 60 + 0 CL		3,052	14	31
<b>TOTAL</b>				<b>45</b>

**QUANTITIES**

CERTIFIED BY

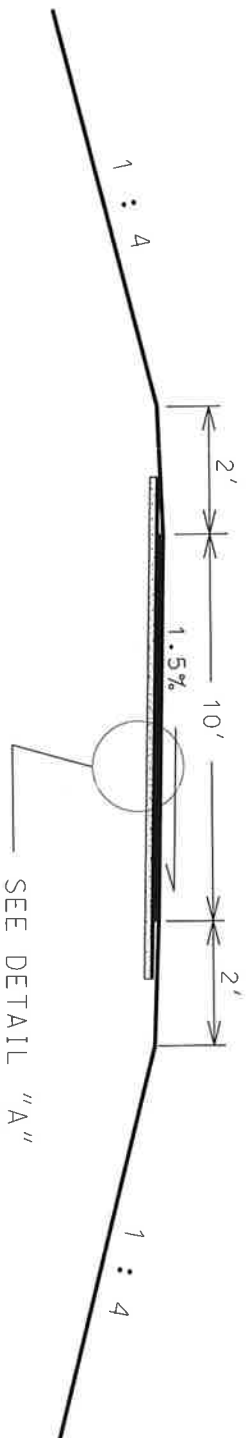
*Alan Fordeberg*

LIC. NO. 14720 MAR. 10, 2014

CO. PROJ. No. 7123 SHEET 4 OF 5 SHEETS

# TYPICAL SECTION

STA 12+00 TO STA 26+72  
STA 29+48 TO STA 60+00



NOTES: TOP 2" OF THE TOPSOIL WILL BE BLADED OFF AND USED FOR THE 2' SHOULDERS. THE UNDERLYING 6" WILL BE DISKED AND RECOMPACTED WITH A SHEEPSFOOT AND SHAPED PRIOR TO THE 6" OF CL-5 BASE BEING PLACED IN ACCORDANCE WITH MNDOT 2112.

## DETAIL "A"

